

BURGWYN'S REPORT ON WATER SUPPLY

Engineer Shows Causes of Possible Pollution and Dangers of Contamination.

BOARD GIVES OUT DOCUMENT

Deals With Physical Condition and Tells of Improvements and Cost.

The report of Colonel C. E. Burgwyn, who was designated by the Administrative Board to examine the water supply of Richmond, was yesterday made public by the board. The report gives a list of such improvements as should be made if the city is to continue drawing its water from the present source. In view of the suggestion that water other than that flowing into the James River be used as the source of water supply, Colonel Burgwyn submitted his report without making any recommendations, saying that it would not appear judicious to carry with them the expenditure of possibly hundreds of thousands of dollars on a work which might afterwards be abandoned. Therefore, he confined himself to a statement of the physical condition, and what would be the betterments, their costs, and the remedies suggested against possible sources of pollution of the water, and the cost of these remedies.

Would Require a Freshet. Colonel Burgwyn's examination showed that, as the physical conditions exist today, the depth of two feet over the crest of the dam, in order to get a proper level for the inflow, would require that there be a freshet in the river. This would mean that the water would be too muddy to introduce into the basins, and he has found that it is not practicable to procure as great a range in the vertical height of the water at the basins as desirable. Tests have shown that many times the water flows over the crest of the dam only to the depth of two or three inches, and that sometimes the water partially stagnates in the pool above the dam.

Another possible cause of pollution is found in the fact that when the gates at the nine-mile locks are down, to make repairs or for other reason, the water from Tuckahoe Creek finds its outlet into the James River by way of Bosher's dam, and hence it can get into the feeder canal to the settling basins. In this way, says the engineer, water of too muddy a character might get into the settling basins in quantities sufficiently large to have a very deleterious effect.

Another Cause of Pollution. A third cause of pollution is irregularity in the operation of the leading of the two drainage ditches of the Chesapeake and Ohio Railway into the pond at the diversion dam.

No amount was taken of the possible pollution of the water from such sources as cities, towns and industrial plants, either present or prospective, located above Bosher's dam. The spillway was found to be sufficient for ordinary purposes, but the report stated that when the excess of water impounding to the canal becomes so great that these gates cannot discharge it quickly enough, the spillway discharges its pondage water directly into the pond above the intake to the settling basin.

As a remedy, Colonel Burgwyn says, it would be unquestionably a betterment to raise the elevation of the upper operating level in the two settling basins, and as a corollary, the upper operating level in the settling basins. This can be done by raising the crest of the diversion dam.

Head-Work Wins

But mental activity is dependent for its success-making results upon the way both body and brain cells are fed.

Right feeding isn't a matter of quantity—most persons actually eat too much. But the selection of the right kind of food helps wonderfully to make men and women active and successful.

The fact is, some every-day articles of food are so lacking in certain food values as to make their common use more or less a menace to physical and mental well-being. (Constipation and a run-down physical condition are readily traced to this lack.)

Particularly is this true of food made from white flour, which is robbed of most of the mineral phosphates of the grain when the bran-coat is thrown out in the milling process. Scientists have long recognized this menace to health, and many people are waking up to it.

Grape-Nuts

FOOD

made from the whole wheat and malted barley, retains the mineral phosphates, as well as all other nutritive values of the grains. Grape-Nuts, as the cereal part of one's diet, perfectly supplies what white flour foods lack.

Grape-Nuts is long baked, most easily digested, and is ready-to-eat direct from the package—fresh, crisp and delicious.

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Sold by grocers everywhere.

Use Vitaqua (Ve-taw-qua) Sparkling Water in high-balls. A combination of wonderfully pure Broad Rock water and carbonic acid gas, and NOTHING ELSE. No foreign adulterants to affect the flavor of your "mixings."

FORCED TO ORDER MANY MORE SEALS

Antituberculosis Association Places Rush Demand for 100,000 Red Cross Stamps.

So great has been the demand for Red Cross Christmas seals, being sold to defray the costs of the war against tuberculosis, that it has become necessary for the State Antituberculosis Association to order an additional 100,000. The sale of the little holiday stickers has already reached the enormous proportions of last year, and there is every indication that the final total will be far above that of 1912. The order for the new supply was placed yesterday.

Counting in the order for this lot, the association has up to this time had demands from workers throughout the State for 700,000 seals. While this number has been requested from the association, they have not all been sold by the agents as yet. In fact, the workers succeed in disposing of all they have ordered, the proceeds will amount to \$7,000. Each city and town is to be credited with the sale of its seals.

In Richmond the seals are being sold for the benefit of Pine Camp Sanatorium and the Nurses' Settlement work among the tuberculosis victims. In Danville, where the seals are sold for a local charity, the number of seals sold this year will be double or treble the sale of 1912. In Roanoke the sale is for the benefit of a free medical dispensary, and is being supported by the public. But in Richmond especially is the sale of seals this year greater than last.

It is gratifying to note the increased public interest in the war against the white plague, said an officer of the State Antituberculosis Association last night. "Increased sales of Christmas seals this year mean a great deal to public conscience. To my mind, the growing support of the work is the best fruit of our campaign of education. People are beginning to realize the mendacity of the 'cure' for tuberculosis. The Christmas seals, which are, of course, useless for postage, cost 1 cent each, and are intended to be placed on the back of holiday mail. The public is cautioned to remember that the bearing Christmas seals of any kind on the address side will be held up by the postal authorities."

GOES BACK TO ROADS

Converse Finished Term, Last Week, and Again Finds Himself in Trouble. Charles Houston, colored, was sent to jail for four months for stealing two quarts of whiskey from the Miller Liquor Company, which was held for the same offense by the court on the charge of entering the stable of T. A. Buchanan, 311 North First Street, and stealing harness.

CROZIER UPHOLDS SYSTEM OF WORK

Washington, December 8.—A vindication of the scientific management system in government arsenals is the feature of the annual report of Brigadier-General William Crozier, chief of Ordnance. Under the plan of paying premiums over and above regular wages, amounting to \$22,000 during seventeen months, machinists and molders in the Watertown arsenal have increased the amount of their work two and a half to three times.

General Crozier points out that not only is time gained in that way, and much pay saved, but large economies are effected in overhead charges. One result has been the reducing of the allowances for the water arsenal by \$73,401. At the Frankford arsenal, the report says, by manufacturing ammunition, instead of buying from private manufacturers, a saving of more than \$1,500,000 was made during the year. Opposition to the application of the system to the Rock Island arsenal appears to have disappeared, and General Crozier says the employees have learned from experience that neither "job card" nor any other part of the system contains any element to their disadvantage.

The report announces the Ordnance Bureau has finished a number of powerful twelve-inch mortars of new design for the Panama Canal fortifications, which, upon test, have shown a maximum range of more than eleven miles, compared with eight and a half for the most powerful type formerly in use.

MANN REFUSES MANY PARDONS

Rejects Petitions for Clemency in a Number of Celebrated Cases.

MOORE MUST SERVE TERM

South Richmond Bigamist Had Petition Signed by Many Citizens.

Applications for pardons were refused by Governor Mann in the following cases, some of which have been pending for some months, and the papers in which were filed with the Secretary of the Commonwealth yesterday without executive approval.

Eddie Mitter, convicted in February, 1912, by the Hustings Court of the city of Petersburg of larceny from the person, and sentenced to three years in the penitentiary. A notation in this case indicates that the prison record of the petitioner is bad.

Thomas Staples, convicted in February, 1907, by the Circuit Court of Pittsylvania County of murder in the second degree, and sentenced to serve fifteen years in the penitentiary.

George Williamson, alias George Jones, sentenced on September 1911, by the Circuit Court of Pulaski County to, for housebreaking, to ten years in the penitentiary, given five years for second conviction, and having one year, four months and twenty-six days balance on a former term to serve, together with an additional sentence of one year for escaping from a convict road gang, making a total of seventeen years, four months and twenty-six days.

John Bieff, convicted in June, 1913, by the Hustings Court of the city of Richmond for housebreaking, and given two years in the penitentiary.

Roland Holmes, sentenced in May, 1901, by the Circuit Court of James City County for murder, to serve eighteen years in the penitentiary.

Joseph J. Williams, convicted in February, 1909, by the Corporation Court of the city of Norfolk of housebreaking, and sentenced to five years in the penitentiary. Five years added for second conviction, term commencing to eight years in April, 1912.

George Hopkins, convicted in September, 1909, by the Circuit Court of Pittsylvania County, two indictments for housebreaking, and given four and three years, respectively, in the penitentiary.

Joe West, convicted in January, 1910, by the Corporation Court of the city of Norfolk of robbery, grand larceny, and sentenced to serve five years for robbery and one year for grand larceny.

Brown Angel, convicted in October, 1910, by the Circuit Court of Bedford County for burglary, and sentenced to five years, to which one year was added for an escape.

John Williams, convicted in November, 1909, by the Circuit Court of the city of Norfolk of robbery, and sentenced to eighteen years in the penitentiary.

Thomas E. Moore, convicted by the Hustings Court, Part II, of Richmond, of bigamy, and given four years in the penitentiary. Moore was a former resident of South Richmond, and was arrested for non-support.

He declared at his trial that he had been informed and believed that his first wife, from whom he had been separated, had died in Portsmouth, Richmond, when he was living with her. There were

DON'T DOPE WITH ALCOHOLIC "TONICS"

This is honest advice for you who are run down and sick—don't dope with alcoholic "tonics." We're backing this advice with our personal guarantee of satisfaction to you or your money back. There are a lot of so-called "tonics" on the market that do not depend for their short-lived popularity on any real merit. They possess but upon the fact that the alcohol in most of them and the dangerous or habit-forming drugs in some of them give a few moments' exhilaration and liveliness after a dose is taken. After a while even this effect ceases to take place and the unfortunate patient, worse off than before, turns for relief to something else.

Take Reckall Oil Emulsion, and you will find it is a real blood and nerve food medicine. It contains no alcohol nor any other dangerous or habit-forming drug, but is made entirely from ingredients needed to build up the strength and health of the ailing.

You are weak and run down, and you who are apparently well now, but are liable to suffer from various colds, rheumatism, and Reckall Oil Emulsion. For the tired-out, run down, nervous, emaciated or debilitated—the convalescing—growing children—aged people—it is a sensible aid to renewed strength, better spirits, glowing health.

Reckall Oil Emulsion—King of freedom from sickness of you and your family. Pleasant-tasting—unlike the food liver oil preparations—could be as enthusiastic about it as we are when you have noted its strengthening, invigorating, building-up, disease-preventing effects. If it does not help you, your money will be given back to you without argument. Sold in this country only at the Reckall Store—one of more than 7,000 leading drug stores in the United States, Canada and Great Britain—Folk Miller Drug Co., 237 East Main Street. (Advertisement.)

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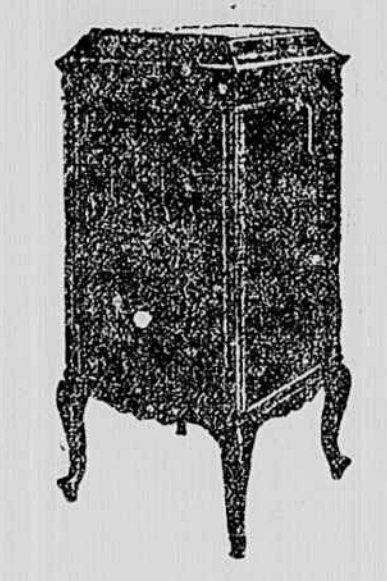
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REVENUE MEN RAID MOUNTAIN STILL

Catch Moonshiner in Act of Distilling Christmas Supply of Whiskey.

United States revenue officers in Southwest Virginia are on the jump. Every man in the mountains who owns a still has put it in working order, and is laboring overtime to supply the Christmas demand for liquor. Reports of raids and seizures are coming into Revenue Agent Chapman's office daily.

Deputy Collectors Hurt and Dotson, who have shifted their scene of activity from Carroll to Scott County, yesterday reported a successful raid in which they captured one moonshiner without bloodshed and destroyed a large illicit distillery.

Leaving Wise, in the Sixth Virginia District, late in the night, the officers arrived near Knott County, before daylight. They located the moonshine plant, and then concealed themselves in the surrounding shrubbery to await the appearance of the operators. From 2 o'clock to 9 o'clock the officers lay hidden. Just at the moment when they were ready to leave, a mountaineer pushed aside the bushes and began work around the still.

The revenue men surrounded and captured him before he could make a show of resistance. He gave his name as Charles Laney. The party then retired to hiding near Knott County, before the moonshiner could escape. The officers hope that other moonshiners would walk into the trap. No one came, however, and the officers went forth after an hour's wait. They seized and destroyed the large copper still, a cap, a worm, seven fermenters, 400 gallons of beer and twenty gallons of low wines.

EXPLAINS TARIFF TO RAILROAD MEN

Responsibilities of Common Carriers and Their Employees Discussed Before Club.

Tariffs and the responsibility of common carriers under them was the theme of a paper read last night by E. D. Hotchkiss, general freight agent of the Chesapeake and Ohio Railway, at a monthly meeting of the Richmond Railroad Club at Murphy's Hotel. The history of railroad freight tariffs was briefly touched upon, but the principal question discussed was an interpretation of the statutes now existing.

"The law," said Mr. Hotchkiss, "charges every person with a knowledge of rates. This is a practical absurdity, but it is, nevertheless, the foundation upon which the superstructure of the interstate act is built." He went on to show how the present tariffs were unintelligible and ambiguous, and explained a movement now on foot, which, it is expected, will accomplish some practical improvement in their construction.

The paper closed with reference to the strict observance of tariffs by those charged to execute them. "There are those of us," he said, "who may think the requirements of the law in this respect are too inelastic, unreasonable and unnecessary, but, good or bad, right or wrong, the law in this respect is too binding and the responsibilities and liabilities of the carrier too great to be jeopardized by the unauthorized and ill-considered acts by employees charged with the duty of enforcing tariffs, however well meant."

Nearly seventy members of the club, representing every department of railroading, were present. Before reading his paper, Mr. Hotchkiss informed the club that it was due to the efforts of his assistant, A. P. Gilbert, that it was prepared, and that the credit should be his.

Marriage License. A marriage license was issued yesterday in the Hustings Court to Joseph E. Jackson and Nora Kuhlert.

GO INTO WOODS FOR CHRISTMAS TREE

Members of Committee Want One That Will Typify the Real Spirit.

A committee of the Community Christmas Tree went out into the woods of Henrico County yesterday afternoon in search of a tree that would be large enough to display the Christmas spirit which will animate all the children of Richmond, but the members were unable to find one quite large enough for the purpose. The committee consisted of John Hirschberg, of the Administrative Board; City Electrician W. H. Thompson; George D. Hann, superintendent of the City Nurses; Frank W. Duke, L. McK. Judkin, John Stewart Bryan and W. G. Owens.

The committee examined many trees, but none of them came up to the measurements desired, so the selection was delayed until another trip is made, when it is hoped that a tree of sufficient height and girth properly to symbolize the Christmas spirit will be found. The committee will select the

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CHARTERS ISSUED

Charters were issued by the State Corporation Commission yesterday as follows: Sebel Iron Mines (Inc.), Front Royal, Capital: Maximum, \$1,000,000; minimum, \$250,000. Benjamins Denis, president; M. J. N. J. G. M. Randie, secretary. Philadelphia. The Capital Park Hotel Company (Inc.), Alexandria, Capital: Maximum, \$250,000; minimum, \$100,000. E. C. Henry, president; E. L. Hillier, secretary—both of Washington, D. C. Consolidated Bottling Works (Inc.), Norfolk, Capital, \$25,000. Louis Weinfield, president; C. A. Holly, secretary—both of Norfolk. Southern Realty Corporation, Staunton, Capital: Maximum, \$100,000; minimum, \$25,000. J. P. Bowman, president; C. P. Bowman, secretary—both of Roanoke. Sugar Leaf Canning and Produce Company (Inc.), Roanoke, Capital: Maximum, \$50,000; minimum, \$10,000. C. C. Gardner, president; Pittsburgh, T. R. Wirsing, secretary, Roanoke.

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